

This Listing of Claims will replace all prior versions, and listings, of claims in this application:

Listing of Claims:

Claims 1-11. (cancelled).

12. (currently amended): A photoluminescent aluminate comprising $\text{SrAl}_2\text{O}_4\cdot\text{Eu,Dy,Gd,Sc}$ wherein the following materials and quantities are combined:

SrCO_3 (1.0 mole)

Al_2O_3 (1.0 mole)

Eu_2O_3 (0.005 mole)

Dy_2O_3 (0.01 mole)

Gd_2O_3 (0.005 mole)

Sc_2O_3 (0.005 mole)

B_2O_3 (0.2 mole).

13. (currently amended): A photoluminescent aluminate as recited in claim 12, wherein said SrCO_3 and Al_2O_3 are combined to form ~~$\text{SrAl}_2\text{O}_4 + \text{O}_3$~~ $\text{SrAl}_2\text{O}_4 + \text{CO}_2$.

14. (currently amended): A photoluminescent aluminate as recited in claim 13, wherein said SrAl_2O_4 is synthesized at approximately 1300°C - 1450°C ~~heat treated prior to being combined with the remaining material at approximately 1300°C.~~

Claims 15-16. (cancelled).